

Instruction Bulletin

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SEMI S2 Compliant Installation of EMO Switch with EMO Guard

Retain for future use.

INSTALLATION

⚠ DANGER

HAZARDOUS VOLTAGE

Turn off all power supplying this equipment before working on it.

Electric shock will result in death or serious injury.*NOTE: Use in Type 1 applications only.*

Installation of the EMO (emergency machine off) switch with EMO guard requires a panel knockout of 7/8 in. (22.3 mm) and a maximum panel thickness of 0.10 in. (2.5 mm). See Figures 1 and 2. Installation does not require an anti-rotation notch.

Table 1: Permissible Guard and Pushbutton Combinations

EMO Guard	EMO Pushbutton
ZB4BZ1905 or ZB4BZ2005	ZB4BS5430
ZB4BZ2105	ZB4BS84430

Figure 1: Panel Knockout

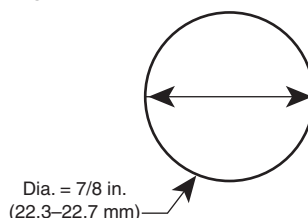
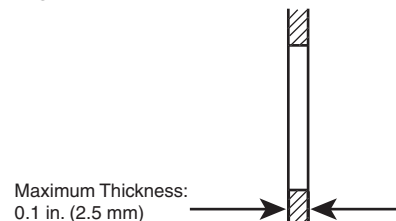


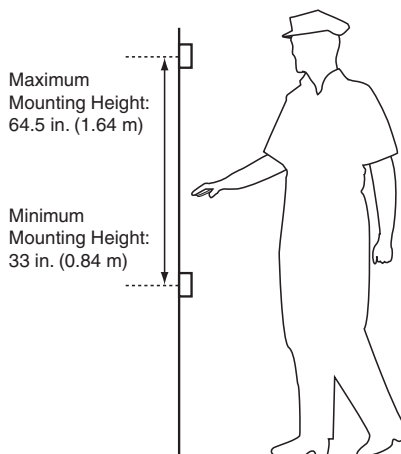
Figure 2: Panel Thickness



To achieve SEMI S2 compliant installation as certified by Global Semiconductor Safety Services (GS³ Document # 200234F), locate the panel knockout for the EMO switch with EMO guard at a maximum height of 64.5 in. (1.64 m) and a minimum height of 33 in. (0.84 m). See Figure 3.

NOTE: Do not exceed the manufacturer's recommended electrical ratings for the contact blocks of the EMO switch.

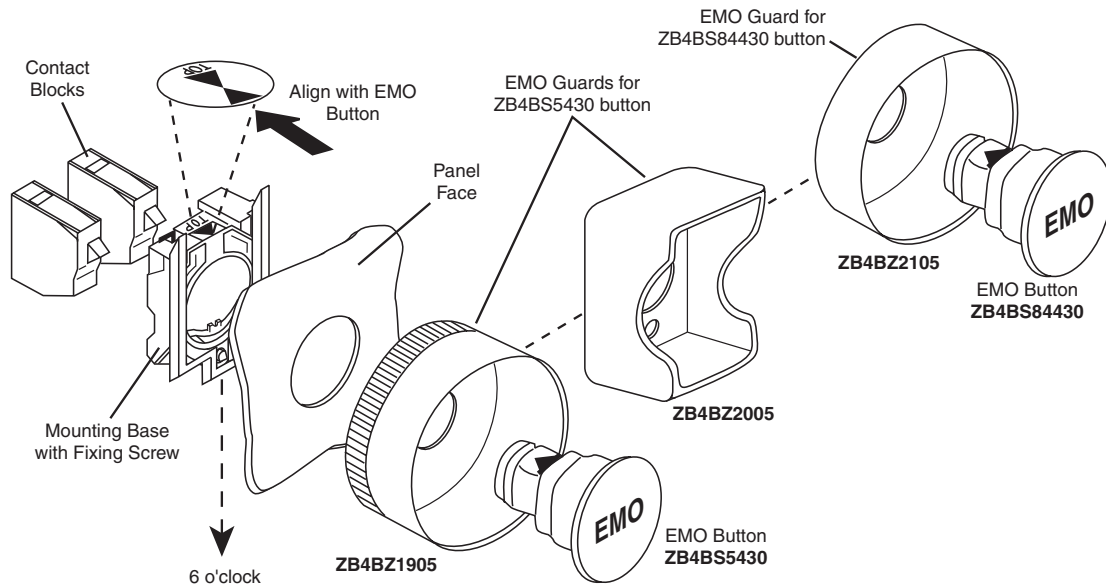
Figure 3: Mounting Height Range



To install the switch, refer to Figure 4.

1. Insert the EMO switch through the yellow guard and into the panel knockout.
2. Aligning the arrows as shown, clip the switch into the diecast mounting base.
3. Align the angled fixing screw at 6 o'clock. This alignment results in proper EMO letter orientation.
4. Tighten the fixing screw to a maximum torque of 7 lb-in (0.8 N•m). The fixing screw provides anti-rotation and a tamperproof installation.

Figure 4: EMO Switch



*Recycling Data: Guard material—
ABS plastic (Acrylonitrile-Butadine-Styrene)*

Square D Company
8001 Highway 64 East
Knightdale, NC 27545
1-888-SquareD (1-888-778-2733)
www.SquareD.com

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